

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/052343

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/38 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/007466 A1 (CHEN TAO) 9 January 2003 (2003-01-09) paragraph '0048!	1, 8, 18
Y	paragraph '0053! – paragraph '0060! figures 2, 4 ----- US 5 365 516 A (JANDRELL LOUIS H M) 15 November 1994 (1994-11-15) column 12, line 30 – line 61 column 22, line 52 – column 23, line 10 -----	2-7, 9-17, 19-21
Y	US 5 914 950 A (LIN YU-CHUAN ET AL) 22 June 1999 (1999-06-22) column 4, line 39 – column 5, line 6 figure 2 -----	2-7, 9-17, 19-21
A	-/-	1-21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
14 January 2005	08/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Rabe, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052343

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ZHANG L Y ET AL: "Energy-efficient real-time scheduling in IEEE 802.11 wireless LANs" PROCEEDINGS OF THE 23RD. INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING SYSTEMS. ICDCS 2003. PROVIDENCE, RI, MAY 19 - 22, 2003, INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING SYSTEMS, LOS ALAMITOS, CA : IEEE COMP. SOC, US, vol. CONF. 23, 19 May 2003 (2003-05-19), pages 658-667, XP010642337 ISBN: 0-7695-1920-2 the whole document</p> <p>-----</p>	1,8,18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052343

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 2003007466	A1	09-01-2003	EP 1405543 A2 WO 03005762 A2	07-04-2004 16-01-2003
US 5365516	A	15-11-1994	AU 659869 B2 AU 2466792 A AU 3032295 A BR 9206372 A CA 2115251 A1 EP 0677198 A1 JP 7502153 T WO 9304453 A1 US 5526357 A	01-06-1995 16-03-1993 30-05-1996 30-05-1995 17-02-1993 18-10-1995 02-03-1995 04-03-1993 11-06-1996
US 5914950	A	22-06-1999	AU 7246698 A CN 1141850 C EP 0974237 A2 JP 2001519123 T TW 391099 B WO 9845966 A2 US 5923650 A ZA 9802973 A	30-10-1998 10-03-2004 26-01-2000 16-10-2001 21-05-2000 15-10-1998 13-07-1999 13-10-1998